

# The DX Bulletin

• America's Oldest Weekly Amateur Radio Publication •

Issue 372 - Jan 30, 1987

## DXpedition News

Peter I Island - 3Y Einar 3Y1EE and Kare 3Y2GV fired up from Peter I on Jan 24, and have been delighting DXers with their dedication and fine operating styles. As advertised, they transmit on 7003, 14022, 14145, 21022, and 21195, with listening frequencies as announced. On 15 SSB they have used Eric SM0AGD's idea of "split channel" operation: listening on 21310, 320, 330, etc. (Hint: listen for the brief announcement, "Now 21420.")

More good news: the Norwegian Polar Institute has extended the DXpeditioner's stay on Peter I until Feb. 5, giving all DXers an excellent shot at this New One! QSL LA6VM.

Cocos-Keeling - VK9Y Jim Smith VK9NS and Bob Winn W5KNE will operate VK9YS and VK9YW (OC-03) Feb. 10-24, all bands. Jim will pay particular attention to 160 and 80, and plans some RTTY operation as well. Jim says, "Listen to what I say, and do it. If I say listening 2-7 up, transmit 2-7 up!" QSL VK9YS to VK9NS or HIDXA. Sunrise 2330Z, sunset 1150Z. Donations accepted via HIDXA.

Christmas Is. - VK9X On his way home, Jim Smith VK9NS will operate as VK9XS (OC-02) Feb. 24-Mar 3. QSL VK9NS. Sunrise 2300Z, sunset 1110Z.

Lord Howe Is. - VK9 Rudi DJ5CQ will be on as VK9LM Feb. 8-Mar. 1, especially on 40 and 80. QSL OE1ZL. Sunrise 1910, sunset 0800Z. Donations are requested.

Peter and Paul Rocks - PY0 Ron PY1BVY and Paul PY1ZT will operate as ZY0ZSB and ZY0ZSA (SA-14) on CW and SSB respectively Feb. 20-28, on all bands, 160-10M. QSL both calls to Ron PY1BVY, Box 1502, 24000 Niteroi, Brazil. Sunrise 0800Z, sunset 2000Z.

St. Pierre - FP Dave KA1CRP will be /FP (NA-32) April 1-9. QSL home call, Box 382, Lebanon NH 03766. Sunrise 0910, sunset 2220Z.

St. Lucia - J6 Bill K4LTA and others will operate as J6LTA (NA-24) Feb 19-Mar 1, including ARRL CW. Watch 25-30 kHz up, and 7005, 3505, and 1833. Slow-speed CW by a YL at 2230 on 21123 weekdays. QSL to NF5Z ('87 Callbook only: Dick Powell, Route 1, box 229, Zavalla TX 75980.)

Dominica - J7 Following the St. Lucia operation, Bill K4LTA will move to J7DA (NA-22) Mar 1-10, including ARRL SSB. QSO and QSL info same as J6LTA. Sunrise 1030Z, sunset 2200Z for both.

Cayman Islands - ZF Pete N5TP will be on as ZF2KD (NA-16) Feb 5-10, including the FOC Marathon. Watch 025 on CW, of course (but not during the weekend, unless you're an FOCer.) QSL N5TP.

Bahamas - C6 KI4IW will be /C6A during ARRL SSB Mar 7-8, multi-single. QSL KI4LW.

South Shetlands - CX0 Uruguay DX Group is shooting for CX0XY (AN-10) early Feb., for a couple of weeks. QSL CX2CS.

Maldives - 8Q Joe WA6VNR has cancelled his planned Maldives operation.

Cocos Is. - TI9 TI2KD extended his TI9W (NA-12) operation until the end of Jan. and made a lot of low-banders happy with a New One. QSL TI2KD.

Galapagos - HC8 HC5KA will return to HD8G the first week in Mar., including ARRL SSB. CW and RTTY before the contest. QSL KT1N. Sunrise 1210, sunset 0010Z.

## Low Band News

- 7Q7LW is back in Malawi on 7002 or 7012 at 0400Z. Work him now!
- KD7P/KC4 said he would be on 3790 at 0800Z, but no reports yet.
- ON4UN says he has worked 69 countries on 160 Meters since Jan 1.
- 5H3ZO has his 160 M antenna up, and operating permission in hand. QSL K0LST.
- KL7Y is very active on 1830 03-0400Z.

Silent Key: Don Riehoff K7ZZ. More details next week.

— Chod Harris VP2ML Editor

# PROPAGATION

## Forecast and Historical Data

Day	Forecast	27 Days Before			54 Days Before				
		Date	Flux	A	Date	Flux	A		
30	High Nor	1/3	72	07/08	2	12/7	70	05/08	2
31	High/Above	1/4	71	05/05	1	12/8	71	05/06	0
February									
1	High Nor	1/5	71	07/06	0	12/9	73	05/06	2
2	High Nor	1/6	72	05/06	1	12/10	75	09/11	3
3	High Nor	1/7	72	04/07	1	12/11	75	07/08	2
4	High Nor	1/8	71	07/08	2	12/12	73	05/06	2
5	High/Low	1/9	70	14/14	2	12/13	74	05/14	2
6	High Nor	1/10	70	06/07	1	12/14	74	13/26	1
7	High Nor	1/11	70	03/07	1	12/15	73	05/06	1
8	High Nor	1/12	71	07/10	1	12/16	73	10/13	3
9	High Nor	1/13	72	05/07	2	12/17	74	04/06	1

Thanks N4XX and KH6BZF.

## Propagation Watch

How's that for a forecast! Very quiet bands, with low absorption (especially over the poles) means good long-haul DX, and fine low-band conditions. Make the most of these excellent 80 and 160 meter evenings.

## The Bottom of the Sunspot Cycle

One sign of the actual bottom of the sunspot cycle is when the number of sunspots from the old cycle (#21) equals that of new cycle (#22). This occurred in late Summer, 1986! For example, 16 of the last 22 spots reported are Cycle 22 spots. Based on this factor, we are past the bottom of the cycle, and on the way up!

On the other hand, some factors vote against the idea that we have passed the minimum: New cycle spots usually show about a year before the bottom, and they first showed in May, 1986, forecasting a minimum in mid-1987. And the Smoothed Sunspot Number at the minimum is usually much lower than the low-teens numbers for mid-1986.

But The DX Bulletin will go out on a limb, and say we've passed the minimum in Sept., 1986. We'll have more spots in '87. Think Spots!

# CALENDAR

(Changes and hot info in boldface.)

Amsterdam - FT	FT8ZA now active	I371
Antarctica	KC4USX 14276 often	I371
Ascension - ZD8	ZD8CW 7001 23-01Z	I371
Aves - YV0	4M0ARV Mar 16-22	I364
Chad - TT8	TT8AQ 14183 1800Z	I372
Chagos - VQ9	VQ9QM leaving soon	I371
Chatham - ZL7	ZL7TZ 40 CW 09-12Z	I372
China - BY	BY9GA Zone 23 14227 0000Z	
Christmas - VK	VK9XS Feb 24-Mar 3	I372
Cocos - TI9	TI9W wrapping up now	I372
Cocos-Keeling	VK9YS + VK9YW Feb.	I370
Crozet - FT8W	FT8WA 14236 18-2000Z	
Dominica - J7	3797 daily at 1600Z	I371
Franz Josef Land	J70A Mar 1-10	I371
Galapagos HC8	UA1OT 1832 0230-03Z	I370
Glorioso - FR/G	HD8G Mar 2-9 HC5KA	I372
India - VU	FH4EC mid-Feb. on	I370
Johnston Is. KH3	0130-0230 20/40M + 1200Z	
Liberia - EL	KN4BPL/KH3 75M 08-09Z	
Libya - 5A	EL2SI FOC Marathon	I370
Lord Howe - VQ9	5A0A 14005 at 1343Z	I371
Maldives - 8Q7	VQ9LM by DJ5CQ Feb 8	I372
Malawi - 7Q7	8Q7CH 14004 1700Z	
Mali - TZ	7Q7LW 7002-12 0400Z	I372
Macquarie - VK0	TZ6VV now active	I372
Marshall - KX6	VK0GC and VK0SJ now	I365
Mellish - VK0	KX6DS at 7006 after 0930Z	
Neth. Ant. - PJ	VK0MW August	I367
	WLBH/PJ2 often	I371

## DXpeditioner Wanted

Interested in operating from the Western Carolines the last two weeks in March? Combining DXing with an Earthwatch expedition at that time may provide some tax-deductibility to the trip. Cost \$1500 plus air fare. Contact The DX Bulletin for details.

## IRCs Available - \$0.50

Bob Shohet KQ2M has some IRCs for sale for \$0.50 each, insured postage paid. Contact him at (516) 736-6869.

## 10 Meter Beacon List

Joe K2OLG has released his latest 10 meter beacon list. Copies are available from The DX Bulletin for an SASE. Thanks, Joe.

## Reserve Your Island

ARRL CW: W2GD at Aruba as P40GD; W6BWX at The Last Resort, Montserrat as VP2MU; J6LTA M/S by K4LTA and others.

ARRL SSB: AA4NC and others at The Last Resort, Montserrat as VP2MU; KI4IW/C6A M/S; J7OA M/S by K4LTA and others; HD8G by HC8KA M/S.

WPX SSB: VP2ML himself!

[Send your Contest DXpedition information to TDXB!]

## Golden Jubilee Honor Roll

Call	100th QSO	Best DX
W6GO	3 JAN 87 0042Z	BY 9Q BV C2 H4 3D2 3D6 ZD7
AA4S	3 JAN 87 1438Z	5X ZM7 VR6 FJL TI9 HK0 YB 9J
AA2Z	3 JAN 87 2202Z	VP2M HV OY HB0 EA9 ZD8 TR8 TU
K6AAW	4 JAN 87 0955Z	TU VQ9 FJL VU KH3 5N
W6EL	4 JAN 87 1505Z (?)	
K6IR	5 JAN 87 ALL SSB VK0 TI9 ZL7 HV3 TZ FR/G 9Q5	
K9RHY	10 JAN 87 ALL 20M 7P8 TI9 FR/G 9M8 FT8Z YI	
VE7AHA	11 JAN 87 16 on 80, 62 on 40, 22 on 20	
VE7DX	12 JAN 87 1707Z A9 BY BV C5 CN TU ZD8 9M8 9Q5	
K7ABV	18 JAN 87 1654Z 9L1 TT8 9Q5 BY BV S7 TU TR Z2	
	(Any more takers? Send your results to <u>TDXB</u> .)	

Peter I Is - 3Y	3Y2GV, 3Y1EE NOW	I370
St. Lucia - J6	J6TLA Feb 19-28	I371
St. Martin - FS	FG/TK5BL/FS Jan 4-Feb 1	
	FS5IPA Feb 26-Mar 12	I367
St. Pierre - FP	KALCRP/FP Apr 1-9	I372
San Andres HK0	HK0BKX 14015 20-22Z	I370
Seychelles S79	S79KG by Colvins	I371
	20 M SSB + CW 17-1900Z	
Sri Lanka - 4S7	DK1ZN/4S7, 4S7YLR	I367
So. Shetlands	CX0XY early Feb.	I363
Sudan - ST	by PA0GAM in March.	I367
Tanzania - 5H	5H3ZO 14027 17-1800Z	
	3505 at 0300Z I369	
Tromelin - FR/T	FR5AI/T Mar 1987	I365
Vienna - 4ULVIC	14025-30 1130-1200Z	
Wake Is. - KH9	KH9AC 14309 0330Z	
	1827 at 07-0800Z	
Zaire - 9Q5	9Q5NW 14180 19-2100Z,	
	3793 at 0500Z	I370
Zimbabwe - Z2	Z23JO 7005 at 0400Z	

# CONTRIBUTORS

This issue of The DX Bulletin is brought to you through the kindness of the following valued contributors: K1MEM, K4LSR, N4XX, KH6BZF, W6TFO, NCDXC, W6GO, KM9J, K4BAI, W4VQ, WB9HAD, DXNL, WLAX, N4NO, WK6E, KE7X, WLJR, VE7DX, WB8ZRL, N1ACH, K0CVDF, K6ANP, WLOR, W6JOX, W8UVZ, W6BJI, NW6P, KC3DJ, W9TKV, K4LNA, W1WX, K4LBSZ, KT1N, WLNH, W4PC, K6IR, WA6PJR, K7ABV, LNDX, VK9NS, W6DU, KALCRP, KQ2M, K4LLBW, KI4LW, LA6VM, PY1BVY, N5TP, SM0AGD. Many Thanks!

# BANDPASS

BANDPASS											
RTTY	4X6TT	3799	0431	16	FL	9M2WG	7009	1446	20	CA	BV2DA
7J1ACH	4X6TT	3793	0135	11	CO	9V1WG	7004	1442	19	CA	BV2DA
9Q5FF	5H3ZO	3510	0310	13	MA	BV2DA	7003	1413	16	CA	BY1QH
C02QB	5NO/	3797	0148	17	CA	C31NP	7005	0204	24	FL	BY4SZ
HC5KA	JG1FVZ					CE0ZIG	7008	0134	19	FL	BY4SZ
ISOMVE	9M2AX	3503	1501	21	CA	FK8EJ	7010	0844	24	CA	BY4SZ
J88AR	9M2DU	3795	1551	19	CA	F05BI	7007	0758	12	CA	BY9GA
LU2DTY	9M8PV	3795	1440	17	MT	FR4DN	7007	1525	18	CA	C53BU
OA4LS	CN2AQ	3789	0638	19	CA	ISOUWS	7029	2300	16	IN	C6AAA
RA3AL	CN2AQ	3775	0105	12	CO	KH3/	7158	0900	17	IL	EA9IB
TG9VT	C02KK	3797	0013	15	PA	KN4BPL					EA9IE
TI2BEM	C08RCB	3800	0201	15	PA	LU/K5KG	7002	0205	14	MT	EA9IE
TL8CK	CT3DL	3797	0145	14	CO	LU/K5KG	7008	0926	24	CA	FR4DN
VU2LO	CU1CB	3798	0522	17	IL	OX3CZ	7002	2350	14	MA	FR4EM
ZF1RC	DU2/KK7K	3510	1200	19	CA	PJ2/	7026	0251	17	GA	FT8WA
ZL2AMD	EA8ADP	3790	0821	19	CA	W1BIH					FT8ZA
160 MTRS	EA8ADP	3780	0759	16	RI	RZ1OWA	7002	0546	14	MT	HBOCZS
4X4NJ	F6ANA	3800	0431	15	PA	S79KG	7001	0245	12	MA	HKOHEU
7X5AB	GJ3DVC	3787	0135	11	CO	S79KG	7003	0310	16	CA	HV3SJ
8P9DX	GWOABG	3793	0022	15	PA	S79LJ	7005	0341	10	GA	HV3SJ
C02CB	HH2DC	3788	0807	17	IL	TF3LB	7017	0204	24	FL	J28EM
C02PY	HKOBKX	3504	0116	22	FL	TU2BR	7001	0925	18	CA	J28EM
CT4AT	HKOBKX	3509	0540	21	MN	UI1Z/	7003	2303	12	MA	J87CD
EA8QO	J37AE	3512	2350	11	CO	UV3HD	Oblast	56			KC4USX
GI3QQR	J37AH	3794	0055	15	PA	UR1RWN	7003	0140	13	CA	KC6JC
HG9R	J6LQX	3783	0724	17	IL	UT4UI	7013	2251	9	GA	KC6JC
HG9R	J79MD	3779	0205	15	PA	UV100	7003	1055	13	GA	KHOAC
HKOBKX	JD1AMA	3797	1458	24	CA	V31JK	7006	2303	9	GA	KHOAC
HR1/	KC6IN	3802	1459	18	CA	V85TT	7008	1451	20	CA	KX6DS
WB5YWU	KX6DS	3808	0745	17	MT	VS6DO	7002	0857	24	CA	KX6IO
J73D	KX6DS	3784	0640	19	CA	VU2TEC	7010	0204	24	FL	OX3KD
JA1CGM	LU/K5KG	3503	0747	17	IL	VU2TTC	7002	0146	15	MT	OX3OB
JA1GTF	OX3KD	3509	0002	13	MA	VU2TTC	7001	1251	13	AL	P29DE
JA3ONB	PJ2/	3508	0135	12	CO	YV7QP	7004	1116	8	GA	T30AT
JA4LKB	W1BIH					Margarita	IIs				T30AT
JF1NZW	PJ2/	3503	0050	14	MA	Z23JO	7010	0345	14	MA	TA1F
JF1NZW	W1BIH					ZD8CW	7000	2355	10	CO	TI9W
JR1CFG	PZ1AN	3793	0444	18	MT	ZD8CW	7002	2347	24	FL	TR8CA
KH9AC	PZ1AP	3507	0105	14	CO	ZD8CW	7006	0841	18	CA	TR8CA
LA5VAA	S79KG	3501	0231	15	MA	ZL7BKM	7007	1610	16	CA	TR8SA
LZ2DF	S79LJ	3799	0005	15	MA	ZL7TZ	7002	1236	13	AL	TT8AQ
OA4ZV	T32AN	3793	0830	17	IL	ZL7TZ	7012	0903	24	CA	TU/F6FVY
OH2BA	T32AN	3799	0506	19	CA	30 MTRS					TU2CV
OH2HE	TI2CC	3794	0051	15	PA	HKOBKX	10105	1355	9	MI	TU2CV
OZ3Y	TU/F6FVY	3793	2307	16	MA	LZ1KSN	10103	2150	10	MI	TU2QQ
RA6AEV	TU/F6FVY	3502	0120	22	FL	VU2LAM	10105	1700	14	MA	TU4BU
RB5AB	UAOGDE	3506	1230	11	NH	20 MTRS					TZ6VV
RZ1OWA	UI8CQ	3502	0255	11	NH	3Y1EE	14022	0553	24	CA	TZ6VV
SM7ALC	UL7GK	3509	0208	22	FL	3Y1EE	14022	0730	24	FL	V85HG
SM7BIC	UP1BZZ	3506	0735	12	CA	3Y2GV	14145	1445	24	CA	V85HG
SP3BQD	UQ2GM	3507	2343	10	AL	5B4VG	14184	1405	8	MD	YB0DPO
TF3SZ	UQ2GM	3512	0605	17	MN	5H3RB	14160	1827	17	IL	YB0DPO *
TF3SZ	VP2MIX	3506	0015	11	CO	5H3ZO	14030	2051	11	GA	YBODUA
TG9NX	Y57WG	3505	0155	24	FL	5L2AY	14160	0025	14	CA	YJ8MC *
TI9W	YB0WR	3785	2315	10	CO	5U7/I2VA	14236	1810	17	MN	ZD7BJ
TI9W	YJ0KMS	3793	2218	16	MA	5U7/I2VA	14236	1932	20	MN	ZD7BJ
UA1OT	3505	1240	17	NH	5V7SA	14226	2111	20	MN	ZD7XY	
UA1OT	3502	0110	13	CO	5X5GK	14180	1856	14	CA	ZD7XY	
UP1BZZ	3507	0052	8	AL	5Z4FC	14004	2036	18	IL	ZD7XY	
UR1RWX	ZD8CW	3505	0110	18	MT	6W7PE	14160	1844	17	IL	ZD8RP
UR2RGN	3503	0104	11	NH	7J1ACH	14226	0126	16	CA	ZD9CK	
UV100	ZF2JA	3794	0435	15	FL	7P8DP	14175	1910	11	CO	ZL8HV
80 MTRS	ZL7BKM	3788	0830	13	MA	9L1VF	14160	2255	17	MT	ZS3GB
3B8CF	40 MTRS					9M2CW	14194	0002	19	CA	15 MTRS
3B8CF	3B8CF	7007	0256	10	GA	9M2FK	14185	0059	17	MT	3Y2GV
3B8CF	3B8CF	7005	1448	19	CA	9M8DW	14226	0030	14	CA	7P8DP
3B8CF	3Y1EE	7003	0314	26	CA	9M8PV	14190	0052	17	MT	7P8DP
3B8CF	4Z4DX	7003	0230	15	CA	9Q5NW	14180	1920	18	IL	C53FB
3B8CF	4Z4DX	7002	0249	15	MT	9Q5NW	14180	1842	15	MT	FK8FF
3B8CF	9M2AR	7045	1500	19	CA	9V1WK	14171	0042	19	CA	KH3/
3B8CF						A35SA	14226	1855	8	CA	KN4BPL
3B8CF						A92RF	14184	1946	9	MD	TF3GCN

**Key to Bandpass:** Callsign, frequency, UTC, day of month, state. \* = long path, P = Packet. All 'portable' calls are listed with country of operation first, regardless of format used on the air.

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## The DX Bulletin



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